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PTO/SB/21 (09-04) (AW 10/2004)

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(to be used for all correspondence after initial filing)

Total Number of Pages in This Submission 50

Application Number	10/667,819
Filing Date	September 22, 2003
First Named Inventor	Calvin Krusen
Art Unit	2877
Examiner Name	Richard A. Rosenberger
Attorney Docket No.	TGR-102US

ENCLOSURES (Check all that apply)

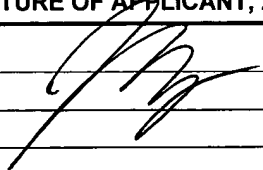
- ☐ Fee Transmittal Form
- ☐ Fee Attached
- ☐ Amendment/Reply
 - ☐ After Final
 - ☐ Affidavits/Declaration(s)
- ☐ Extension of Time Request
- ☐ Express Abandonment Request
- ☒ Information Disclosure Statement
- ☐ Certified Copy of Priority Document(s)
- ☐ Response to Missing Parts/
Incomplete Application
 - ☐ Response to Missing Parts
under 37 CFR 1.52 or 1.53

- ☐ Drawing(s)
- ☐ Licensing-related Papers
- ☐ Petition
- ☐ Petition to Convert to a
Provisional Application
- ☐ Power of Attorney, Revocation,
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 - ☐ Landscape Table on CD

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to TC
- ☐ Appeal Communication to Board
of Appeals and Interferences
- ☐ Appeal Communication to TC
(Appeal Notice, Brief, Reply
Brief)
- ☐ Proprietary Information
- ☐ Status Letter
- ☒ Other Enclosure(s) (please
identify below):
Return Postcard
3 References
International Search Report

Remarks:

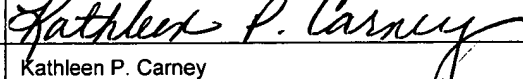
SIGNATURE OF APPLICANT, ATTORNEY OR AGENT

Firm Name	RatnerPrestia
Signature	
Printed Name	Jacques L. Etkowicz
Date	July 8, 2005

Registration No.	41,738
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Signature		Date	July 8, 2005
Typed or Printed Name	Kathleen P. Carney		

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Office, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, ALEXANDRIA, VA 22313-1450.

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**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Appln. No: 10/667,819
Applicant: Calvin Krusen
Filed: September 22, 2003
Title: SYSTEM AND METHOD FOR CAVITY RING-DOWN SPECTROSCOPY USING
CONTINUOUSLY VARYING CONTINUOUS WAVE EXCITATION
TC/A.U.: 2877
Examiner: Richard A. Rosenberger
Docket No.: TGR-102US

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Pursuant to 37 C.F.R. §§ 1.97 and 1.98 and to the duty of disclosure set forth in 37 C.F.R. § 1.56, the Examiner in charge of the above-identified application is requested to consider and make of record the references listed on the PTO 1449 (RP) submitted herewith. A copy of the references listed on the 1449 form, other than U.S. patents, is enclosed.

Please note that U.S. 5,528,040 was submitted on September 22, 2003 and, therefore, is not included again.

Although the information submitted herewith may be "material" to the Examiner's consideration of the subject application, this submission is not intended to constitute an admission that such information is "prior art" as to the claimed invention.

In accordance with 37 C.F.R. § 1.97(g), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made.

Reference WO 03/031949 is not in the English language, but an English abstract thereof is attached to the copy of the reference submitted herewith and was cited by a foreign patent office in a counterpart foreign application. A copy of this English language search report, indicating the degree of relevance determined by the foreign patent office is submitted herewith. MPEP Section 609A(3), second paragraph.

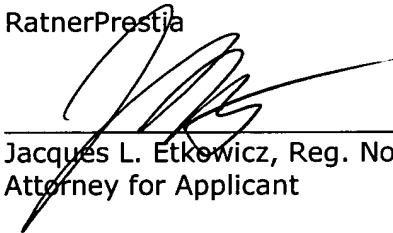
This Information Disclosure Statement is being filed before mailing of the first Official Action. No first Official Action has yet been received and it is presumed that none has yet been mailed. No fee or statement is required. 37 C.F.R. § 1.97(b).

STATEMENT

The undersigned hereby states that each item of information disclosed in the Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the Information Disclosure Statement.

Respectfully submitted,

RatnerPrestia



Jacques L. Etkowicz, Reg. No. 41,738
Attorney for Applicant

JLE/kpc

Enclosures: PTO Form 1449
(3) References
International Search Report
Transmittal Form

Dated: July 8, 2005

P. O. Box 980
Valley Forge, PA 19482
(610) 407-0700

The Commissioner for Patents is hereby authorized to charge payment to Deposit Account No. **18-0350** of any fees associated with this communication.

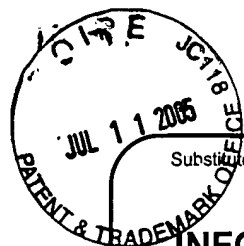
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July 8/2005



Kathleen P. Carney

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(AW 08/03)

Substitute for Form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

SHEET 1 of 2

Complete if Known

Application Number	10/667,819
Filing Date	September 22, 2003
First Named Inventor	Calvin Krusen
Art Unit	2877
Examiner Name	Richard A. Rosenberger
Attorney Docket No.	TGR-102US

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Issue/ Publication Date (MM-DD-YYYY)	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ² (If known)			
		US-6,064,488	05/16/2000	Brand et al.	
		US-2001/0003482 A1	06/14/2001	Zare et al.	
		US-2002/0015427 A1	02/07/2002	Pilgrim et al.	
		US-6,504,145 B1	01/07/2003	Romanini et al.	
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FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date (MM-DD-YYYY)	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ - Number ⁴ - Kind Code ⁵ (If known)				
		WO 03/031949 A1	04/17/2003	Morville et al.		<input type="checkbox"/>
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						<input type="checkbox"/>
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SignatureDate
Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

¹Applicant's unique citation designation number (optional).

²See Kind Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04.

³Enter Office that issued the document, by the two-letter code (WIPO Standard St.3).

⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.

⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible.

⁶Applicant is to place a check mark here if English language translation is attached.

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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Complete if Known

Application Number	10/667,819
Filing Date	September 22, 2003
First Named Inventor	Calvin Krusen
Art Unit	2877
Examiner Name	Richard A. Rosenberger
Attorney Docket No.	TGR-102US

SHEET 2 of 2**NON-PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²
		WILLS J B ET AL., Number density and temperature of acetylene in hot-filament and arc-jet activated CH ₄ /H ₂ gas mixtures measured using diode laser cavity ring-down absorption spectroscopy, Diamond and Related Materials, vol. 12, no. 8, August 2003, pages 1346-1356	<input type="checkbox"/>
		WEN-BIN YAN ET AL., Trace gas detection with CW cavity ring-down laser absorption spectroscopy, Advanced Semiconductor Manufacturing Conference and Workshop, 2000 IEEE/SEMI September 12-14, 2000, Piscataway, NJ, USA, September 12, 2000, pages 203-206	<input type="checkbox"/>
		International Search Report for PCT International Application PCT/US2004/028127, mailed June 8, 2005	<input type="checkbox"/>
			<input type="checkbox"/>
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Examiner
SignatureDate
Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

¹Applicant's unique citation designation number (optional).

²Applicant is to place a check mark here if English language translation is attached.

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